

# MULTIPURPOSE GAUGE

For ADC, SDC, and AC F-Head Burners  
PART # T650

1. To position the electrode tips **in front of** the face of the nozzle and **above** the center line, select the cross mark for the burner being serviced, DC (direct current) **Fig. 1** or AC (alternating current), **Fig. 2**. You will be setting only one of the tips. After setting, proceed to Step 3. **Be careful not to scratch the nozzle face.**

DC burner F head settings are set by aligning the electrode tip with the (1/4") cross mark shown in **Fig. 1**.

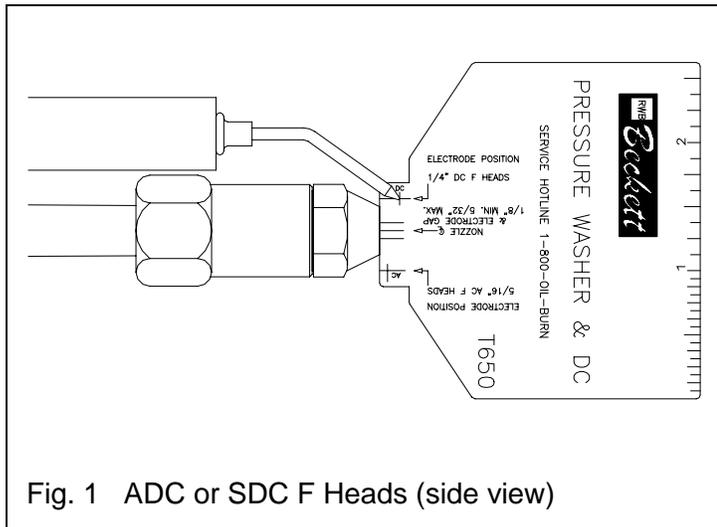


Fig. 1 ADC or SDC F Heads (side view)

2. AC burner F head settings are set by aligning the electrode tip with the (5/16") cross mark shown in **Fig. 2**.

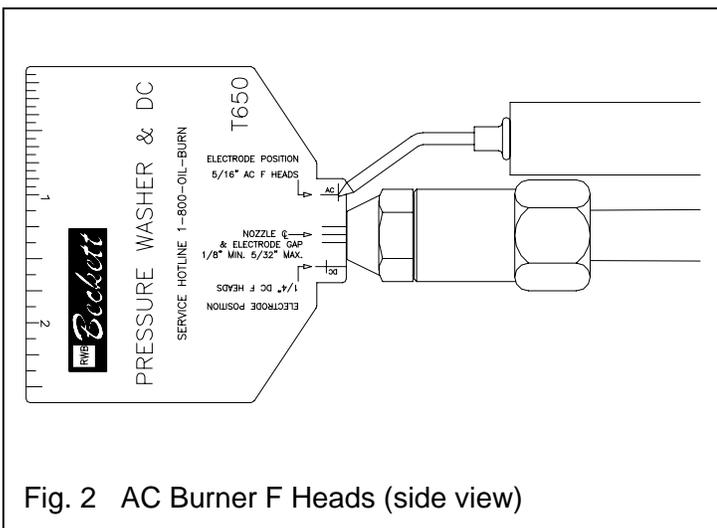


Fig. 2 AC Burner F Heads (side view)

3. To set the electrode tip gap (5/32"), place the gauge so that the tip (set in Step 1 or 2) is on one of the tip gap marks in **Fig. 3** (top view). Adjust the remaining tip to the other mark.

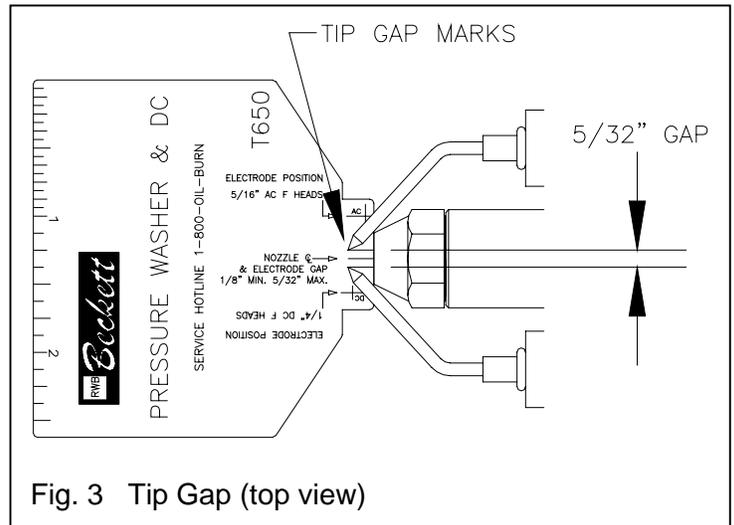


Fig. 3 Tip Gap (top view)

4. To check that the nozzle is approximately centered with the head inside diameter, place the gauge in the head and note the gauge center mark location with respect to the nozzle center. Rotate the gauge and check several positions (see **Fig. 4**).

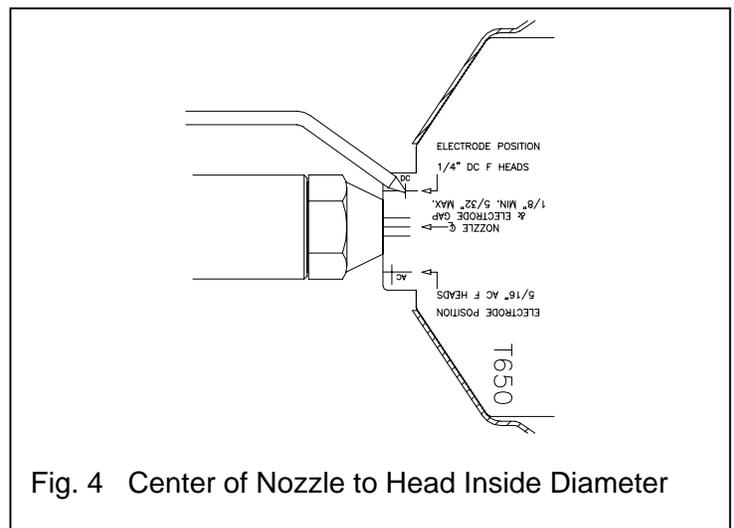


Fig. 4 Center of Nozzle to Head Inside Diameter

**R.W. BECKETT CORPORATION**  
P.O. Box 1289, Elyria, Ohio 44036

**R.W. BECKETT CANADA, LTD**  
430 Laird, Unit 3, Guelph, Ontario, N1G 3X7

5. The “Z” dimension is important because it locates the nozzle for the precise relationship with the combustion head. To set the “Z” dimension for F heads, position the gauge as shown in **Fig. 5** and loosen the nozzle line electrode assembly so that it can be moved forward or backward in the air tube until the nozzle becomes flush against the gauge. Tighten the nozzle line escutcheon plate screw to lock this “Z” dimension securely.

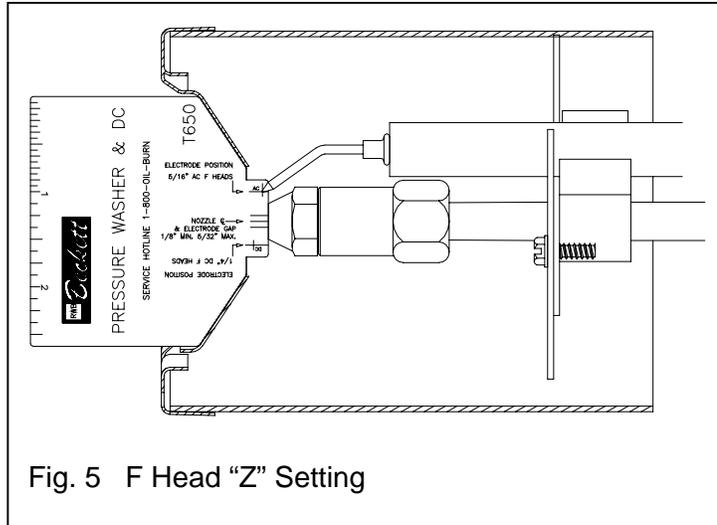


Fig. 5 F Head “Z” Setting

6. Electrode tip setting reference chart **Fig. 6**. See individual burner instruction manuals for more details.

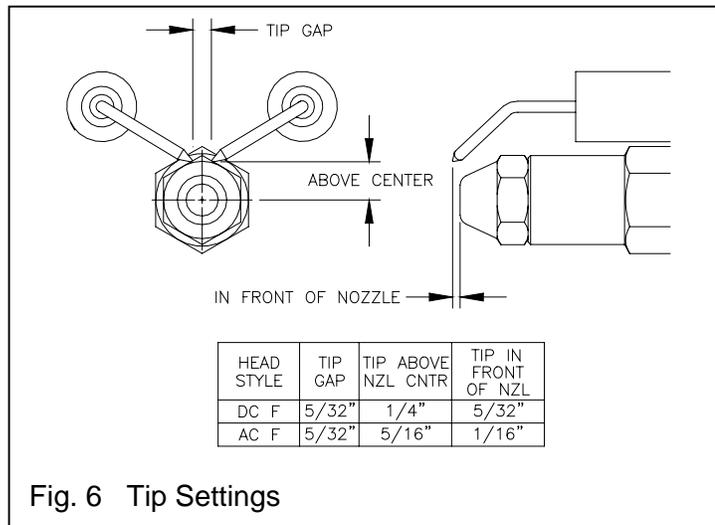


Fig. 6 Tip Settings